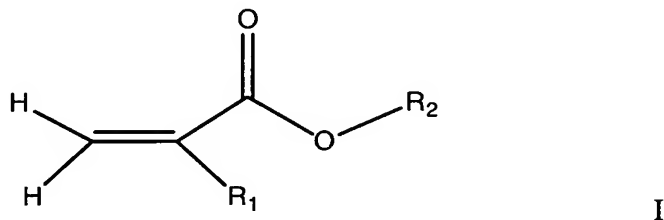


### Remarks

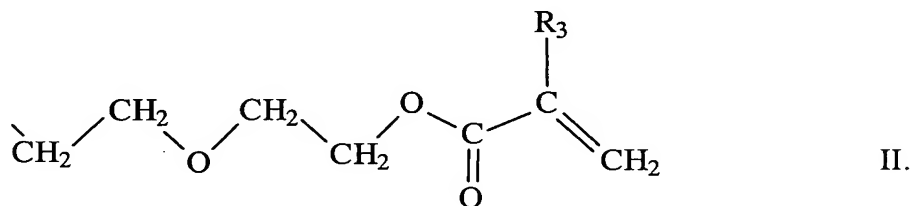
Claims 1-30 are pending in the present case and are rejected.

Claims 7-8 and 20-21 are cancelled. New claims 31 and 32 are presented for examination.

Independent claims 1, 16, and 28 are amended to limit the acrylated monomer to having formula I:



wherein  $R_1$  is hydrogen or substituted or unsubstituted alkyl; and  $R_2$  is

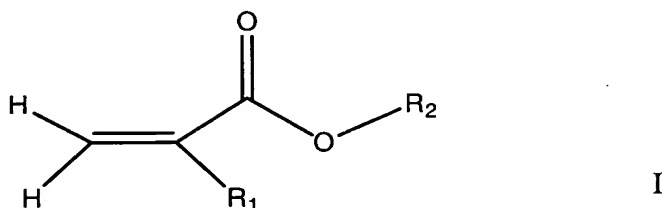


wherein  $R_3$  is hydrogen or a substituted or unsubstituted alkyl. In the case of claim 28, an ethylene glycol dicyclopentyl ether acrylate” is replaced by the acrylated monomer having formula I. No new matter is added by these amendments.

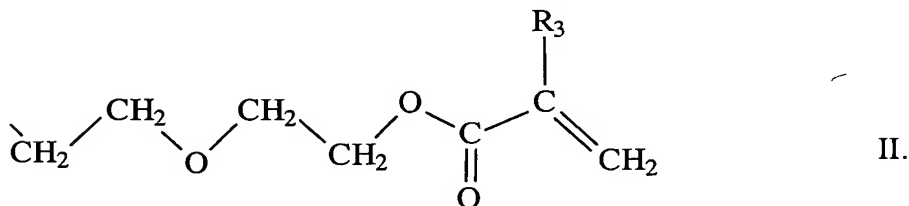
1. **Rejection Under 35 U.S.C. §103(a)**

Claims 1-11, 13, 15-25, and 27-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sack et al. (U.S. Patent No. 4,309,486).

Sack et al. does not disclose the acrylated monomer required by independent claims 1, 16, and 28. Applicant has amended the independent claims to include the particularly useful monomer given by formula I:



wherein R<sub>1</sub> is hydrogen or substituted or unsubstituted alkyl; and R<sub>2</sub> is



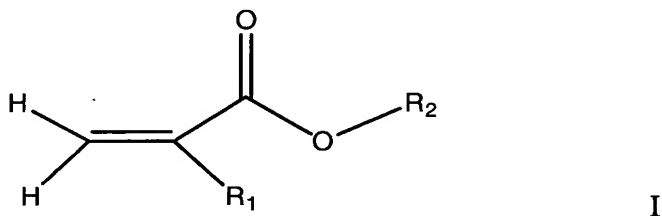
wherein R<sub>3</sub> is hydrogen or a substituted or unsubstituted alkyl. As so limited, independent claims 1, 16, and 28 require the presence of a diethylene glycol acrylate. Sack et al. does not appreciate the importance of diethylene glycol acrylates in the compositions disclosed therein. Accordingly, claims 1-11, 13, 15-25, and 27-30 are patentable over Sack et al. under 35 U.S.C. 103(a).

Applicant respectfully points out to the Examiner that claims 28-30 are patentable for an independent reason. The Examiner has not rejected claim 14 in which the composition of claim 1 further comprises an amine functional acrylate co-initiator. Independent claim 28 includes the same amine functional acrylate co-initiator. Sack et al. does not disclose such a co-initiator. Accordingly, claims 28-30 are also allowable over Sack et al. because of the failure of that reference to disclose an amine functional acrylate co-initiator.

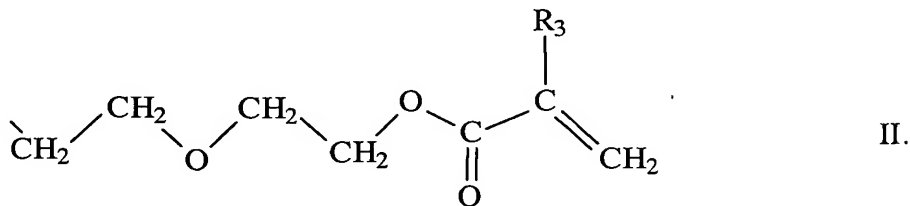
## 2. Double Patenting

Claims 1-30 are provisionally rejected under 35 U.S.C. § 101 as claiming the same invention as that of claims 1-30 of Application No. 10/703,938.

Applicant has amended the independent claims— claims 1, 16, and 28 -- in the present invention to limit the acrylated monomer to having formula I:



wherein R<sub>1</sub> is hydrogen or substituted or unsubstituted alkyl; and R<sub>2</sub> is



wherein  $R_3$  is hydrogen or a substituted or unsubstituted alkyl. Application No. 10/703,938 does not disclose an acrylated monomer with  $R_2$  having formula II. Accordingly, Application No. 10/703,938 and the present application no longer have conflicting claims.


**Conclusion**

Applicant has made a genuine effort to respond to each of the Examiner's rejections in advancing the prosecution of this case. Applicant believes that all formal and substantive requirements for patentability have been met and that this case is in condition for allowance, which action is respectfully requested. If a telephone or video conference would help expedite allowance or resolve any additional questions, such a conference is invited at the Examiner's convenience.

The Examiner is authorized to charge any additional fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 02-3978 -- a duplicate of this paper is enclosed for that purpose.

Respectfully submitted,

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By   
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Attorney/Agent for Applicant

Date: June 28, 2005

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